SMAP Early Adopters	
Investigator and Institution	**Applications Research Topic**
Selected in 2011	
Stephane Belair, Meteorological Research Division, Environment Canada (EC)	*Assimilation and impact evaluation of observations from the SMAP mission in Environment Canada's Environmental Prediction Systems*
Hosni Ghedira, Masdar Institute, UAE	*Estimating and mapping the extent of Saharan dust emissions using SMAP-derived soil moisture data*
Zhengwei Yang, Rick Mueller, USDA National Agricultural Statistical Service (NASS)	*U.S. National cropland soil moisture monitoring using SMAP*
Catherine Champagne, Agriculture and Agri-Food Canada (AAFC)	*Soil moisture monitoring in Canada*
Amor Ines, Stephen Zebiak, International Research Institute for Climate and Society (IRI) Columbia University	*Seasonal climate forecasts with dynamic crop simulation models for crop forecasting and food security early warning applications*
Lars Isaksen, Patricia de Rosnay, European Centre for Medium-Range Weather Forecasts (ECMWF)	*Monitoring SMAP soil moisture and brightness temperature at ECMWF*
Xiwu Zhan, Michael Ek, John Simko, NOAA NESDIS Center for Satellite Applications and Research (NOAA-NESDIS-STAR)	*Transition of NASA SMAP research products to NOAA operational numerical weather and seasonal climate predictions and research hydrological forecasts*
Selected in 2012	
Curt Reynolds, USDA Foreign Agricultural Service (FAS)	*Enhancing USDA's global crop production monitoring system using SMAP soil moisture products*
John Eylander, U.S. Army ERDC Cold Regions Research and Engineering Laboratory (CRREL)	*U.S. Army Engineer Research and Development Center (ERDC) SMAP adoption for USACE civil and military tactical support*
Jim Reardon, Gary Curcio, U.S. Forest Service (USFS)	*Wildfire danger and estimated smoldering potential in the organic soils of the North Carolina coastal plain*
Gary McWilliams, Li Li, Andrew Jones, George Mason, DoD Soil Moisture Applications Consortium (DoD/SMAC) (ARL, ERDC, NRL, CSU)	*Exploitation of SMAP data for Army and Marine Corps mobility assessment*
Michael Ek, Marouane Temimi, Xiwu Zhan, NOAA National Centers for Environmental Prediction (NCEP)	*Integration of SMAP freeze/thaw product into the NOAA NCEP weather forecast models*
John Galantowicz, Atmospheric and Environmental Research, Inc. (AER)	*Use of SMAP-derived inundation and soil moisture estimates in the quantification of biogenic greenhouse gas emissions*
Jingfeng Wang, Rafael Bras, Aris Georgakakos, Georgia Institute of Technology (GIT)	*Application of SMAP observations in modeling energy/water/carbon cycles and its impact on weather and climatic predictions*
Don Pierson, New York City Dept. of Environmental Protection	*Application of SMAP freeze/thaw and soil moisture products for supporting management of New York City's potable water supply*
Chris Funk, Amy McNally, James Verdin, U.S. Geological Survey & U.C. Santa Barbara	*Incorporating soil moisture retrievals into the Famine Early Warning System (FEWS) Land Data Assimilation System (FLDAS)*
Fiona Shaw, Global Analytics, Willis Group, UK	*eNCOMPASS – A risk identification and analysis system for insurance; Multiple catastrophe risk models, risk rating tools and risk indices for insurance and reinsurance purposes including a Global Flood Model*
Rafael Ameller, StormCenter Communications, Inc.	*SMAP for enhanced decision making (emergency management)*